

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

**TECHNICAL CHANGE ORDER NO. 1
TO MONITORING AND REPORTING PROGRAM NO. 97-49**

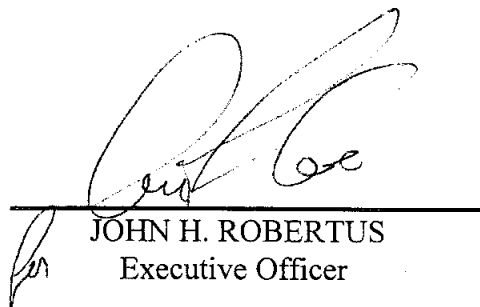
**WASTE DISCHARGE AND WATER RECYCLING REQUIREMENTS FOR THE
PRODUCTION AND PURVEYANCE OF RECYCLED WATER
FOR
PADRE DAM MUNICIPAL WATER DISTRICT
SAN DIEGO COUNTY**

IT IS HEREBY ORDERED that, pursuant to California Water Code Section 13267, the Monitoring and Reporting Program for Order No. 97-49 is revised as follows:

The effluent monitoring criteria for biochemical oxygen demand listed in the table under Section B.1 is modified to the following:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY	REPORTING FREQUENCY
Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	Composite	3 times / week	Monthly

Ordered by



JOHN H. ROBERTUS
Executive Officer

Issuance Date: November 9, 2000

Discharge
Recycled

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

**ORDER NO. 97-49
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FOR THE PRODUCTION AND PURVEYANCE OF RECYCLED WATER
FOR
PADRE DAM MUNICIPAL WATER DISTRICT
SAN DIEGO COUNTY**

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. On May 18, 1992, this Regional Board adopted Order No. 92-12, *Waste Discharge Requirements for Padre Dam Municipal Water District (MWD), Santee Water Reclamation Plant, San Diego County*. Order No. 92-12 establishes requirements for the disposal of up to 2.0 million gallons per day (MGD) of tertiary treated effluent to be used for irrigation within the Santee Hydrologic Subarea (907.12) and the El Cajon Hydrologic Subarea (907.13).
2. On June 21, 1993, this Regional Board adopted Order No. 93-48 (NPDES Permit No. CA0107492), *Waste Discharge Requirements for Padre Dam Municipal Water District, Santee Water Reclamation Plant, Discharge to Sycamore Creek and the San Diego River, San Diego County*. Order No. 93-48 establishes requirements for the disposal of up to 2.0 MGD of treated wastewater to the San Diego River and contiguous waters.
3. On October 11, 1996, Padre Dam Municipal Water District (hereinafter Recycled Water Agency) submitted a complete report of waste discharge for the Padre Dam Water Recycling Facility (PDWRF).
4. The Recycled Water Agency plans to distribute recycled water produced at the Santee WRP to the Santee Hydrologic Subarea (HSA) (907.12) and the El Cajon HSA (907.13). The Recycled Water Agency will distribute recycled water from the recycled water pumping station to the Padre Dam MWD recycled water distribution system for landscape irrigation, Santee Lakes Regional Park and Campground for unrestricted recreation use in the lakes, as well as park irrigation and PDWRF for plant process, washdown and landscape irrigation.
5. The treatment process units utilized at the Santee WRP for producing Title 22 recycled water consists of a communitor located at the influent pump station, primary settling basins, secondary treatment via biological nutrient removal basin (Bardenpho process), secondary clarifiers, tertiary treatment via flocculation,

settling and filtration through gravity sand filters and disinfection with gaseous chlorine followed by dechlorination with Sulfur Dioxide. Solids generated from the various process units are discharge to Metro Sewerage System for processing at Point Loma Wastewater Treatment Plant.

6. Pursuant to Finding No. 8 of Order No. 92-12, the Recycled Water Agency reports that the most stringent level of treatment for the recycled water will be provided. In conformance with Title 22, unrestricted use mandates a wastewater which has undergone tertiary treatment and has been adequately disinfected, oxidized, coagulated, clarified and filtered with the median number of coliform organisms in the effluent not exceeding 2.2 per 100 milliliters. In addition, the maximum number of coliform in any sample cannot exceed 23 per 100 milliliters.
7. The Recycled Water Agency reports that the Padre Dam WRP is located north of the Santee Regional Park and Campground within the Sycamore Canyon Hydrologic Subarea (HSA) (907.12) of the Lower San Diego Hydrologic Area (907.10) of the San Diego Hydrologic Unit (907.00).
8. The Recycled Water Agency's water reclamation program will replace up to 1000 acre-ft per year of irrigation water with recycled water reducing the Agency's need for imported water.
9. The Recycled Water Agency provided the following information regarding the estimated quality of recycled water produced at the PDWRF:

Padre Dam Water Recycling Facility Typical Effluent Concentrations	
Constituent	
Total Dissolved Solids	900 - 1000 mg/l
Chloride	150 - 250 mg/l
Sulfate	250 - 325 mg/l
Percent Sodium	50 - 60 %
Nitrate	< 5.0 mg/l as N
Iron	< 0.1 mg/l
Manganese	< 0.04 mg/l
MBAS	<0.05 mg/l
Boron	0.4 - 0.6 mg/l
Fluoride	< 0.5 mg/l

10. The Board, acting in accord with Section 13244 of the California Water Code, adopted the Water Quality Control Plan for the San Diego Basin (9), (hereinafter Basin Plan) on September 8, 1994. The Basin Plan was subsequently approved

by the State Water Resources Control Board (SWRCB) on December 13, 1994. Subsequent revisions to the Basin Plan have also been adopted by the Board and approved by the SWRCB. The Basin Plan contains beneficial uses and water quality objectives. The requirements of this Order are consistent with the Basin Plan.

11. The Basin Plan established the following beneficial uses of ground water in the Santee HSA (907.12) and the El Cajon HSA (907.13):

BENEFICIAL USES						
HYDROLOGIC SUBAREAS	M U N	A G R	I N D	P R O C	F R S H	G W R
907.00 San Diego Hydrologic Unit						
907.12 Santee	•	•	•	•		
907.13 El Cajon	•	•	o	o		

• = Existing Beneficial Use o = Potential Beneficial Use

12. The Basin Plan established the following ground water quality objectives for the Santee Hydrologic Subarea (HSA) (907.12), the El Cajon HSA (907.13):

BASIN PLAN GROUNDWATER WATER QUALITY OBJECTIVES													
(Concentrations not to be exceeded more than 10% of the time during any one year period)													
(mg/L or as noted)													
HYDROLOGIC SUBAREAS	TDS	CL	SO	% Na	NO 3	Fe	M N	M B A S	B	O D O R	TURB	COLOR U N I T S	F
907.00 San Diego Hydrologic Unit													
907.12 Santee	1000	400b	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0
907.12 Santee (alluvial aquifer for lower Sycamore Canyon)	2000	800b	600	60	45	0.3	0.05	0.5	2.0 b	none	5	15	1.0
907.13 El Cajon	1200	250b	500	60	45	0.3	0.05	0.5	0.75	none	5	15	1.0

(See footnotes next page.)

Footnotes:

- a The objectives apply for only the alluvial aquifer in the Lower Sycamore Canyon portion of the Santee Hydrologic Subarea described as all of the Sycamore Canyon watershed except that part which drains north of the boundary between sections 28 and 33, Township 14 South, Range 1 West.
- b Detailed salt balance studies are recommended for this area to determine limiting mineral concentration levels for discharge. On the basis of existing data, the tabulated objectives would probably be maintained in most areas. Upon completion of the salt balance studies, significant water quality objective revisions may be necessary. In the interim period of time, projects of ground water recharge with water quality inferior to the tabulated numerical values may be permitted following individual review and approval by the Regional Board if such projects do not degrade existing ground water quality to the aquifers affected by the recharge.

13. The Basin Plan established the following water quality objectives for waters designated for use as domestic or municipal supply.

CHEMICAL	MAXIMUM CONTAMINANT LEVEL, MG/L
Aluminum	1
Antimony	0.006
Arsenic	0.05
Asbestos	7 MFL*
Barium	1
Beryllium	0.004
Cadmium	0.005
Chromium	0.05
Cyanide	0.2
Mercury	0.002
Nickel	0.1
Nitrate (as NO ₃)	45
Nitrate + Nitrite (sum as nitrogen)	10
Nitrite (as nitrogen)	1
Selenium	0.05
Thallium	0.002

*MFL = million fibers per liter, MCL for fibers exceeding
10 micro-meters in length

14. In establishing the requirements contained herein the Regional Board considered factors including, but not limited to, the following:
 - a) Beneficial uses to be protected and the water quality objectives reasonably
 - b) Other waste discharges,
 - c) The need to prevent nuisance,
 - d) Past, present, and probable future beneficial uses of the hydrologic subunits under consideration,
 - e) Environmental characteristics of the hydrologic subunits under consideration,
 - f) Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area,
 - g) Economic considerations,
 - h) The need for additional housing within the region, and
 - i) The need to develop and use recycled water.
15. The proposed PDWRF will make use of recycled waters that would otherwise be discharged to the Point Loma ocean outfall. The program also reduces the City's need for imported water.
16. The Padre Dam MWD submitted recycled water rules and regulations as part of their report of waste discharge. Recycled water rules and regulations govern the design and construction of recycled water use facilities and the use of recycled water.
17. The Padre Dam MWD submitted an Engineering Report as part of their report of waste discharge, describing how their proposed recycled water system will comply with the regulations set forth in Title 22, Chapter 3 *Reclamation Criteria*. Engineering reports also include contingency plans which describe how a recycled water producer will assure that no untreated or inadequately treated wastewater is delivered to the use area.
18. PDWRF is an ongoing project and as such is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Administrative Code, Chapter 3, Article 18, Section 15261.
19. The Regional Board has considered all water resource related environmental factors associated with the proposed discharge of waste from the PDWRF.

20. The Regional Board has notified the City of Santee and all known interested parties of the intent to prescribe waste discharge requirements for the proposed discharge.
21. The Regional Board in a public meeting heard and considered all comments pertaining to the proposed discharge of waste from the PDWRF.

IT IS HEREBY ORDERED THAT, the Padre Dam MWD (hereinafter Recycled Water Agency), in order to meet the provisions contained in Division 7 of the California Water Code and Regulations adopted thereunder, shall comply with the following requirements for the discharge and purveyance of recycled water from the PDWRF.

A. DISCHARGE SPECIFICATIONS

1. Recycled water from the PDWRF shall not contain constituents in excess of the following limitation:

CONSTITUENT	30-DAY AVERAGE (MG/L)¹	DAILY MAXIMUM (MG/L)²
Biochemical Oxygen Demand (BOD ₅ @ 20 C)	30	50
Total Suspended Solids	30	50
pH (within limits shown at all times)	6.0 - 9.0	

¹The 30-day average effluent limitation shall apply to the arithmetic mean of the results of all samples collected during any 30 consecutive calendar day period.

²The daily maximum effluent limitation shall apply to the results of a single composite or grab sample.

2. ^{The median} Total coliform concentration of the recycled water produced at the PDWRF shall not exceed a MPN (most probable number) of 2.2 per 100 ml, utilizing the bacteriological results of the last seven days for which analyses have been completed; and shall not exceed a MPN of 23 per 100 ml in more than one sample in any 30-day period.
3. Turbidity concentration of the recycled water produced at the PDWRF shall not exceed a daily average value of 2 NTU (Nephelometric turbidity unit), shall not exceed 5 NTU more than 5% of the time during a 24-hour period and shall not exceed 10 NTU at any one time.
4. Disinfection of recycled water shall be accomplished by a chlorine disinfection process that provides a CT (chlorine concentration times modal contact time)

value of not less than 450 mg-min/liter at all times with a modal chlorine contact time of at least 90 minutes based on peak daily design flow.

5. Discharges to a landscape impoundment must be terminated whenever an overflow of the impoundment is imminent.
6. A 30-day average dry weather flow from the PDWRF shall not exceed 2.0 million gallons per day unless the Recycled Water Agency obtains revised waste discharge requirements for the proposed increased flow.
7. Recycled water from the PDWRF shall not contain constituents in excess of the following limitations:

CONSTITUENT	12-MONTH ¹ AVERAGE (MG/L)
Total Dissolved Solids	1000
Sulfate	500
Chloride	250
Boron	0.6
Manganese	0.05
Adjusted Sodium Adsorption Ratio	6
Iron	0.3
Aluminum	1
Antimony	0.006
Arsenic	0.05
Barium	1
Beryllium	0.004
Cadmium	0.005
Chromium	0.05
Cyanide	0.2
Mercury	0.002
Nickel	0.1
Selenium	0.05
Thallium	0.002

1. The 12-month average effluent limitation shall apply to the arithmetic mean of the results of all samples collected during any 12 consecutive calendar month periods.

B. RECYCLED WATER PURVEYANCE REQUIREMENTS

1. Prior to the initiation of the purveyance of recycled water project, the Recycled Water Agency must complete all of the following:
 - a) Develop and submit for approval *Rules and Regulations for Recycled Water Users* governing the design and construction of recycled water use facilities and the use of recycled water to the Regional Board, the State Department of Health Services (DHS) and the County of San Diego Department of Environmental Health (DEH). Rules and regulations shall, at a minimum, include the requirements which are contained in Attachment No. 1 of this Order.
 - b) Develop and submit for approval a program to conduct compliance inspections of recycled water reuse sites to the Regional Board, DHS and DEH. Inspections shall determine the status of compliance with the Recycled Water Agency's approved rules and regulations for recycled water users.
 - c) Submit a report to the State Department of Health Services and the County of San Diego Department of Environmental Health containing the information listed below. The Recycled Water Agency may submit a Master Plan report that covers more than one reuse site. The report shall include a detailed description of each reuse site identifying all of the information below:
 - (1) The number, location, and type of facilities within the use area proposing to use domestic and recycled water. "Facility" means any type of building or structure, or defined area of specific public use that utilizes or proposes to utilize a dual plumbed system.
 - (2) The average number of persons estimated to be served at each use area on a daily basis.
 - (3) The specific boundaries of the proposed use site area including a map showing the location of each facility, drinking water fountain and impoundment to be served.
 - (4) The person or persons responsible for operation of the recycled water system at each use area.
 - (5) The specific use to be made of the recycled water at each use area.
 - (6) The methods to be used by the Recycled Water Agency to assure that the installation and operation of the recycled system will not result in cross connections between the recycled water piping system and the potable water piping system. This shall include a description of pressure, dye or other test methods to be used to test the system.

- (7) Plans and specifications shall include the following and shall be submitted to the State and County Department of Health for approval:
 - (a) Proposed piping system to be used,
 - (b) Pipe locations of both the recycled and potable systems,
 - (c) Type and location of the outlets and plumbing fixtures that will be accessible to the public,
 - (d) The methods and devices to be used to prevent backflow of recycled water into the public water system,
 - (e) Plan notes relating to recycled water specific installation and use requirements.
2. Subsequent to initiation of the purveyance of recycled water and prior to providing recycled water to a new use site, the Recycled Water Agency shall do the following:
 - a) Submit for review and approval a report that either certifies that the project conforms with what is described in the master plan or information to supplement what is described in the master plan to the State and County Health Departments. A certification report shall document that all criteria described in *Recycled Water Purveyance Requirements B.1c* has been submitted to and approved by the appropriate regulatory agency. Information submitted as a supplement to the master plan shall document compliance with any criteria, as described by *Recycled Water Purveyance Requirements B.1c*, not met through submittal of the master plan.
 - b) Submit for review and approval documentation confirming the information submitted as part of Monitoring and Reporting Program No. 97-03, Recycled Water Users Summary Report B.2a to the Regional Board.
3. The Recycled Water Agency shall do the following for all reuse sites:
 - a) Enforce recycled water rules and regulations,
 - b) Conduct recycled water reuse site compliance inspections in accordance with the program submitted in compliance with *Recycled Water Purveyance Requirements B.1b* of this Order,
 - c) Notify the State Department of Health Services and the County of San Diego Department of Environmental Health of any incidence of recycled water backflow into the potable water system as soon as possible, but in no case later than 24 hours of finding the incident,
 - d) Maintain a current list of all on-site recycled water supervisors.

C. FACILITY DESIGN AND OPERATION SPECIFICATIONS**1. ENFORCEMENT**

The Regional Board may initiate enforcement action against the recycled water agency, which may result in the termination of the recycled water supply, if any person uses, transports, or stores such water in a manner which creates, or threatens to create conditions of pollution, contamination, or nuisance, as defined in Water Code Section 13050.

2. PROPER OPERATION

The Recycled Water Agency shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Recycled Water Agency to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order.

3. CERTIFICATION REPORT

The Recycled Water Agency shall submit a report which documents that the SWRP facilities have been constructed as proposed in Padre Dam MWD's report of waste discharge. Recycled water shall not be purveyed to a user until all of the following have occurred:

- a) The certification report is received and approved by the Regional Board Executive Officer,
- b) The Title 22 report and the rules and regulations for recycled water reuse report is approved by the State and County Health Departments,
- c) The Regional Board Executive Officer has been notified of the completion of facilities by the Recycled Water Agency,
- d) An inspection of the facilities has been made by staff of the Regional Board,
- e) The Regional Board Executive Officer notifies the Recycled Water Agency by letter that recycled water purveyance can be initiated.

4. OPERATION MANUAL

A copy of the facility operations manual shall be maintained at the Recycled Water Agency's facility and shall be available to operation personnel and Regional Board staff at all times. The following portions of the operations manual shall be posted at the treatment plant as a quick reference for treatment plant operators:

- a) Alarm set points for secondary turbidity, tertiary turbidity and chlorine residual,
- b) Levels at which flow will be diverted for secondary turbidity, tertiary turbidity and chlorine residual.
- c) When to divert flow for high daily and weekly median total coliform;
- d) When the authorities (DHS, DEH, Regional Board) will be notified of a diversion,
- e) Names and numbers of those authorities to be notified in case of a diversion,
- f) Frequency of calibration for turbidimeters and chlorine residual analyzers.

5. OPERATORS' CERTIFICATION

The Recycled Water Agency's wastewater treatment facilities shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23 of the California Code of Regulations.

6. FLOOD PROTECTION

All waste treatment, storage and purveyance facilities shall be protected against 100-year peak stream flows as defined by the San Diego County flood control agency.

7. RUNOFF PROTECTION

All wastewater and recycled water storage facilities shall be protected against erosion, overland runoff, and other impacts resulting from a 100-year, 24 hour frequency storm.

8. MONITORING AND REPORTING

The Recycled Water Agency shall comply with attached Monitoring and Reporting Program No. 97-49, and future revisions thereto as specified by the Executive Officer. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. 97-49.

9. SEWAGE SLUDGE

Disposal of sludge, grit, and screenings shall be in accordance with the method described in the Findings of this Order. Any modification to the location or method of sludge disposal must be approved by the Regional Board Executive Officer.

D. STANDARD PROVISIONS**1. DUTY TO COMPLY**

The Recycled Water Agency must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the California Water Code and is grounds for (a) enforcement action; (b) termination, revocation and reissuance, or modification of this Order; or (c) denial of a report of waste discharge in application for new or revised waste discharge requirements.

2. ENTRY AND INSPECTION

The Recycled Water Agency shall allow the Regional Board, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to do the following:

- a) Enter upon the Recycled Water Agency's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this Order,
- b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order,
- c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this Order,

- d) Sample or monitor, at reasonable times for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.

3. CIVIL MONETARY REMEDIES

The California Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this Regional Board is subject to a civil monetary remedy of up to 20 dollars per gallon of waste discharged or, if a cleanup and abatement order is issued, up to 15,000 dollars per day of violation or some combination thereof.

4. PENALTIES FOR INVESTIGATION, MONITORING OR INSPECTION VIOLATIONS

The California Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports is guilty of a misdemeanor and is subject to a civil liability of up to 5,000 dollars for each day in which the violation occurs.

5. ENDANGERMENT OF HEALTH AND ENVIRONMENT

The Recycled Water Agency shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the Executive Officer within 24 hours from the time the Recycled Water Agency becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the Recycled Water Agency becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following occurrence(s) must be reported to the Executive Officer within 24 hours:

- a) Any bypass from any portion of the treatment facility. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility to other than a sewer system.
- b) Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.

- c) Any treatment plant upset which causes the effluent limitations of this Order to be exceeded.

6. PRIOR NOTICE OF BYPASS

If a need for a discharge bypass is known in advance, the Recycled Water Agency shall submit prior notice and, if at all possible, such notice shall be submitted at least 10 days prior to the date of the bypass. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility to other than a sewer system.

7. CORRECTIVE ACTION

The Recycled Water Agency shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.

8. TREATMENT FAILURE

In an enforcement action, it shall not be a defense for the Recycled Water Agency that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the Recycled Water Agency shall, to the extent necessary to maintain compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies for example, when the primary source of power of the treatment facility is failed, reduced, or lost.

9. HAZARDOUS RELEASES

Except for a discharge which is in compliance with these waste discharge requirements, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, shall as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Director of Environmental Health Services, County of San Diego in accordance with California Health and Safety Code Section 5411.5 and the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.7) of Chapter

7 of Division 1 of Title 2 of the Government Code, and immediately notify the State Board or the appropriate Regional Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of Section 13271 of the Water Code unless the Recycled Water Agency is in violation of a prohibition in the applicable Water Quality Control Plan.

10. PETROLEUM RELEASES

Except for a discharge which is in compliance with these waste discharge requirements, any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Article 3.5 (commencing with Section 8574.1) of Chapter 7 of Division 1 of Title 2 of the Government Code. This requirement does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Section 311 of the Clean Water Act or the discharge is in violation of a prohibition in the applicable Water Quality Control Plan.

11. RECYCLED WATER RELEASES

Any person who, without regard to intent or negligence, causes or permits an unauthorized discharge of 50,000 gallons or more of recycled water that has been treated to at least disinfected tertiary 2.2 recycled water or 1,000 gallons or more of recycled water that is treated at a level less than disinfected tertiary 2.2 recycled water in or on any waters of the state, or causes or permits such unauthorized discharge to be discharged where it is, or probably will be, discharged in or on any waters of the state, shall, as soon as (1) that person has knowledge of the discharge, (2) notification is possible, and (3) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the appropriate regional board.

12. PERMIT REPOSITORY

A copy of this Order shall be maintained at the Recycled Water Agency's facility and shall be available to operating personnel at all times.

13. RETENTION OF RECORDS

The Recycled Water Agency shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

14. GENERAL REPORTING REQUIREMENT

The Recycled Water Agency shall furnish to the Executive Officer of this Regional Board, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The Recycled Water Agency shall also furnish to the Executive Officer, upon request, copies of records required to be kept by this Order.

15. PERMIT REVISION

This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

- a) Violation of any terms or conditions of this Order,
- b) Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts or
- c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

The filing of a request by the Recycled Water Agency for the modification, revocation and reissuance, or termination of this Order, or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

16. CHANGE IN DISCHARGE

The Recycled Water Agency shall file a new Report of Waste Discharge at least 120 days prior to the following:

- a) Addition of a major industrial waste discharge to a discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the wastes.
- b) Significant change in the treatment or disposal method (e.g., change in the method of treatment which would significantly alter the nature of the waste.)
- c) Change in the disposal area from that described in the findings of this Order.
- d) Increase in flow beyond that specified in this Order.
- e) Other circumstances which result in a material change in character, amount, or location of the waste discharge.
- f) Any planned change in the regulated facility or activity which may result in noncompliance with this Order.

17. CHANGE IN OWNERSHIP

This Order is not transferrable to any person except after notice to the Executive Officer. The Recycled Water Agency shall submit this notice in writing at least 30 days in advance of any proposed transfer. The notice must include a written agreement between the existing and new Recycled Water Agency containing a specific date for the transfer of this Order's responsibility and coverage between the current Recycled Water Agency and the new Recycled Water Agency. This agreement shall include an acknowledgement that the existing Recycled Water Agency is liable for violations up to the transfer date and that the new Recycled Water Agency is liable from the transfer date on. The Regional Board may require modification or revocation and reissuance of this Order to change the name of the Recycled Water Agency and incorporate such other requirements as may be necessary under the California Water Code.

18. INCOMPLETE REPORTS

Where the Recycled Water Agency becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information

in a Report of Waste Discharge or in any report to the Regional Board, it shall promptly submit such facts or information.

19. REPORT DECLARATION

All applications, reports, or information submitted to the Executive Officer shall be signed and certified as follows:

- a) The Report of Waste Discharge shall be signed as follows:
 - (1) For a corporation - by a principal executive officer of at least the level of vice-president.
 - (2) For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
 - (3) For a municipality, state, federal or other public agency - by either a principal executive officer or ranking elected official.
- b) All other reports required by this Order and other information required by the Executive Officer shall be signed by a person designated in paragraph a) of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if all of the following are true:
 - (1) The authorization is made in writing by a person described in paragraph a) of this provision,
 - (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity and
 - (3) The written authorization is submitted to the Executive Officer.
- c) Any person signing a document under this Section shall make the following certification,

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

20. REGIONAL BOARD ADDRESS

The Recycled Water Agency shall submit reports required under this Order or other information required by the Executive Officer to the following address:

Groundwater Unit
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd, Suite A
San Diego, California 92124-1331

E. NOTIFICATIONS**1. VESTED RIGHTS**

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the Recycled Water Agency from liability under federal, state or local laws, nor create a vested right for the Recycled Water Agency to continue the waste discharge.

2. U.S. EPA REVIEW

These requirements have not been officially reviewed by the United States Environmental Protection Agency and are not issued pursuant to Section 402 of the Clean Water Act.

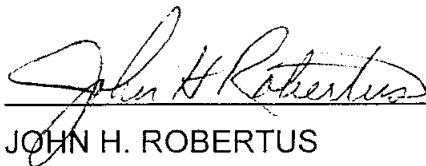
3. SEVERABILITY

The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.

4. EFFECTIVE DATE

This Order becomes effective and supercedes Order No. 92-12 on the date of adoption by the San Diego RWQCB.

I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on December 10, 1997.



JOHN H. ROBERTUS

Executive Officer

ATTACHMENT NO.1

TO

ORDER NO. 97-49

RULES AND REGULATIONS FOR RECYCLED WATER USE PROJECTS

Pursuant to California Water Code (CWC) Section 13523.1(b)(3), this Order requires the recycled water agency to establish and to enforce rules and regulations governing the design, construction and use of recycled water distribution and disposal systems by its customers. The rules and regulations shall be consistent with the with the following criteria:

- a) Title 22, Division 4, Chapter 3, *Wastewater Reclamation Criteria*;
- b) Title 17, Division 1, Chapter 5, Group 4, Article 1 & 2, of the California Code of Regulations;
- c) The State Department of Health Services (DOHS) *Guidelines For Use of Recycled Water, Guidelines for Use of Recycled Water for Construction Purposes, and the County of San Diego Department of Environmental Health Recycled Water Plan Check and Inspection Manual*;
- d) Any measures that are deemed necessary for protection of public health, such as the American Water Works Association (AWWA) California/Nevada Section, *Guidelines for the Distribution of Non-Potable Water and Guidelines for Retrofitting To Recycled Water* or alternate measures that are acceptable to DOHS.

At a minimum, the rules and regulations shall notify the users that:

1. The use of recycled water shall not cause a pollution, contamination or nuisance, as defined by Section 13050 of the California Water Code.
2. The Recycled Water Agency, the Regional Board, the State and Local Health Department, or an authorized representative of these parties, upon presentation of proper credentials, shall have the right to enter upon the recycled water use site during reasonable hours, to verify that the user is complying with the Recycled Water Agency's rules and regulations.
3. The recycled water user shall provide written notification, in a timely manner, to the Recycled Water Agency of any material change or proposed change in the character of the use of recycled water.
4. Prior to the initiation of recycled water service, the recycled water user shall submit plans and specifications for recycled water distribution facilities to the Recycled Water Agency.

5. The recycled water user shall designate a recycled water supervisor who is responsible for the recycled water system at each use area under the user's control. Specific responsibilities of the recycled water supervisor include the proper installation, operation, and maintenance of the irrigation system; compliance of the project with the Recycled Water Agency's rules and regulations, prevention of potential hazards and preservation of the recycled water distribution system plans in "as built" form. Designated recycled water supervisors shall obtain instruction in the use of recycled water from an institution approved by the State and County Health Departments.
6. The Recycled Water Agency may terminate service to a recycled water user who uses, transports, or stores such water in violation of the Recycled Water Agency's rules and regulations.
7. All recycled water storage facilities owned and/or operated by recycled water users shall be protected against erosion, overland runoff, and other impacts resulting from a 100-year, 24 hour frequency storm unless the Regional Board Executive Officer approves relaxed storm protection measures for the facility.
8. All recycled water storage facilities owned and/or operated by recycled water users shall be protected against 100 - year frequency peak stream flows as defined by the San Diego County flood control agency unless the Regional Board Executive Officer approves relaxed storm protection measures for the facility.
9. The Regional Board may initiate enforcement action against any recycled water user who discharges recycled water in violation of any applicable discharge requirement prescribed by the Regional Board or in a manner which creates or threatens to create conditions of pollution, contamination or nuisance, as defined in Water Code Section 13050.
10. A copy of the recycled water rules and regulations, irrigation system layout map, and a recycled water system operations manual shall be maintained at the use area. These documents shall be available to operating personnel at all times.
11. Irrigation with disinfected tertiary recycled water shall not take place within 50 feet of any domestic water supply well unless all of the following conditions have been met:
 - a) A geological investigation demonstrates that an aquitard exists at the well between the uppermost aquifer being drawn from and the ground surface.
 - b) The well contains an annular seal that extends from the surface into the aquitard.

- c) The well is housed to prevent any recycled water spray from coming into contact with the wellhead facilities.
 - d) The ground surface immediately around the wellhead is contoured to allow surface water to drain away from the well.
 - e) The owner of the well approves of the elimination of the buffer zone requirement.
12. Impoundment of disinfected tertiary recycled water shall not occur within 100 feet of any domestic water supply well.
 13. Irrigation with, or impoundment of, disinfected secondary-2.2 or disinfected secondary -23 recycled water shall not take place within 100 feet of any domestic water supply well.
 14. Irrigation with, or impoundment of, undisinfected secondary recycled water shall not take place within 150 feet of any domestic water supply well.
 15. Reclaimed water facilities shall be operated in accordance with best management practices (BMP's) to prevent direct human consumption of reclaimed water and to minimize misting, ponding, and runoff. BMP's shall be implemented that will minimize both public contact and discharge onto areas not under customer control.
 16. Irrigation with reclaimed water shall be during periods of minimal human use of the service area. Consideration shall be given to allow a adequate dry-out time before the irrigated area will be used by the public.
 17. All drinking fountains located within the approved use area shall be protected by location and/or structure from contact with recycled water spray, mist, or runoff. Protection shall be by design, construction practice, or system operation.
 18. Facilities that may be used by the public, including but not limited to eating surfaces and playground equipment and located within the approved use areas, shall be protected to the maximum extent possible by siting and/or structure from contact by irrigation with recycled water spray, mist, or runoff. Protection shall be by design, construction practice or system operation.
 19. Spray irrigation with recycled water, other than disinfected tertiary recycled water, shall not take place within 100 feet of the property line of a residence or a place where public exposure could be similar to that of a park, playground, or school yard.

20. All use areas where recycled water is used and that are accessible to the public shall be posted with conspicuous signs, in a size no less than 4 inches by 8 inches, that include the following wording : "RECYCLED WATER - DO NOT DRINK". Lettering shall be of a size easily readable by the public.
21. No physical connection shall be made or allowed to exist between any recycled water system and any separate system conveying potable water.
22. The recycled water piping system shall not include any hose bibs. Quick couplers that are different from that used on the potable water system may be used.
23. The public water supply shall not be used as a backup or supplemental source of water for a recycled water system unless the connection between the two systems is protected by an air gap separation which complies with the requirements of Sections 7602(a) and 7603(a) of Title 17 and the approval of the public water system has been obtained. If a "Swivel-ell" type connection is used it must be used in accordance with the provisions of the Department of Health Services Policy Memo 95-004. Approved backflow prevention devices shall be provided, installed, tested, and maintained by the recycled water user in accordance with the applicable provisions of Title 17, Division 1, Chapter 5, Group 4, Article 2.
24. No person other than the Recycled Water Agency shall deliver recycled water to a facility. Connection to the irrigation system by an individual residence is prohibited.
25. All recycled water piping and appurtenances in new installations and appurtenances in retrofit installations shall be colored purple or distinctively wrapped with purple tape in accordance with Chapter 7.9, section 4049.54 of the California Health and Safety Code.
26. Reuse site shut down tests and inspections shall be monitored by the County of San Diego Department of Environmental Health or the State Department of Health Services.
27. Customer complaints concerning recycled water use that may involve public illness shall be reported to the County of San Diego Department of Environmental Health and the State Department of Health Services, and to the Recycled Water Agency who shall maintain a log of all customer complaints regarding recycled water.
28. Any backflow prevention device installed to protect the public water system shall be inspected and maintained in accordance with Section 7605 of Title 17.

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

**MONITORING AND REPORTING PROGRAM NO. 97-49
FOR
THE PRODUCTION AND PURVEYANCE OF RECYCLED WATER
FOR
PADRE DAM MUNICIPAL WATER DISTRICT
SAN DIEGO COUNTY**

A. MONITORING PROVISIONS

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this Order and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water or substance. Monitoring points shall not be changed without notification to and the approval of the Executive Officer.
2. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than +5 percent from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:
 - (a) "A Guide to Methods and Standards for the Measurement of Water Flow," U. S. Department of Commerce, National Bureau of Standards, NBS Special Publication 421, May 1975, 97 pp. (Available from the U.S. Government Printing Office, Washington, D.C. 20402. Order by SD Catalog No. C13.10:421.)
 - (b) "Water Measurement Manual," U.S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. (Available from the U.S. Government Printing Office, Washington D.C. 20402. Order by Catalog No. 127,19/2:W29/2, Stock No. S/N 24003-0027.)

- (c) "Flow Measurement in Open Channels and Closed Conduits," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October 1977, 982 pp. (Available in paper copy or microfiche from National Technical Information Service (NTIS) Springfield, VA 22151. Order by NTIS No. PB-273-535/5ST.)
 - (d) "NPDES Compliance Sampling Manual," U.S. Environmental Protection Agency, Office of Water Enforcement. Publication MCD-51, 1977, 140 pp. (Available from the General Services Administration (8FFS), Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver, CO 80225.)
- 3. Monitoring must be conducted according to United States Environmental Protection Agency test procedures approved under Title 40, Code of Federal Regulations (CFR), Part 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants Under the Clean Water Act" as amended, unless other test procedures have been specified in this Order.
- 4. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Executive Officer.
- 5. Monitoring results must be reported on discharge monitoring report forms approved by the Executive Officer.
- 6. If the discharger monitors any pollutants more frequently than required by this Order, using test procedures approved under 40 CFR, Part 136, or as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report. The increased frequency of monitoring shall also be reported.
- 7. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

8. Records of monitoring information shall include the following:
- The date, exact place, and time of sampling or measurements,
 - The individual(s) who performed the sampling or measurements,
 - The date(s) analyses were performed,
 - The individual(s) who performed the analyses,
 - The analytical techniques or method used and
 - The results of such analyses.
9. All monitoring instruments and devices which are used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.
10. The discharger shall report all instances of noncompliance not reported under Provision D.5 of this Order at the time monitoring reports are submitted. The reports shall contain the information described in Provision D.5.
11. The monitoring reports shall be signed by an authorized person as required by Provision D.19.
12. A composite sample is defined as a combination of at least eight sample aliquot of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24 hour period. For volatile pollutants, aliquot must be combined in the laboratory immediately before analysis. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquot may be collected manually or automatically.
13. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.
14. Sampling and analysis shall, at a minimum, shall be conducted in accordance with Article 6 of California Code of Regulations, Title 22, Division 4, Chapter 3 (Reclamation Criteria).

B. EFFLUENT MONITORING

1. Representative samples of the effluent discharged from the Padre Dam Water Recycling Facility (PDWRF) shall be collected in accordance with the following criteria:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY	REPORTING FREQUENCY
FLOW RATE	MGD	Continuous	Continuous	Monthly

Biochemical Oxygen Demand (BOD ₅ @ 20°C)	mg/l	Composite	Daily	Monthly
Total Suspended Solids	mg/l	Composite	Daily	Monthly
Volatile Suspended Solids	mg/l	Composite	Daily	Monthly
pH	Unit	Grab	Daily	Monthly
Total Dissolved Solids	mg/l	Composite	Quarterly ¹	Quarterly
Chloride	mg/l	Composite	Quarterly ¹	Quarterly
Sulfate	mg/l	Composite	Quarterly ¹	Quarterly
Fluoride	mg/l	Composite	Quarterly ¹	Quarterly
Boron	mg/l	Composite	Quarterly ¹	Quarterly
Percent Sodium	%	Composite	Quarterly ¹	Quarterly
Iron	mg/l	Composite	Quarterly ¹	Quarterly
Manganese	mg/l	Composite	Quarterly ¹	Quarterly
Methylene Blue Active Substances	mg/l	Composite	Quarterly ¹	Quarterly
Adjusted Sodium Adsorption Ratio ²	---	Composite	Quarterly ¹	Quarterly
Total Organic Carbon	mg/l	Composite	Quarterly ¹	Quarterly
Aluminum	mg/l	Composite	Annually	Annually
Arsenic	mg/l	Composite	Annually	Annually
Antimony	mg/l	Composite	Annually	Annually
Barium	mg/l	Composite	Annually	Annually
Beryllium	mg/l	Composite	Annually	Annually
Cadmium	mg/l	Composite	Annually	Annually
Chromium	mg/l	Composite	Annually	Annually
Copper	mg/l	Composite	Annually	Annually
Cyanide	mg/l	Composite	Annually	Annually
Mercury	mg/l	Composite	Annually	Annually
Nickel	mg/l	Composite	Annually	Annually
Selenium	mg/l	Composite	Annually	Annually
Thallium	mg/l	Composite	Annually	Annually
Turbidity ³	NTU	Continuous	*	Monthly
Chlorine Residual ³	mg/l	Continuous	**	Monthly
Total Coliform ³	MPN/100ml	Grab	***	Monthly

Notes: MPN/100 ml = Most Probable Number per 100 milliliters

ml/l = milliliters per liter
mg/l = milligrams per liter
NTU = Nephelometric Turbidity Units

- 1 The discharger shall increase the sampling frequency from quarterly to monthly for any noted constituent that exceeds the limit specified by Discharger Specification A.1 and A.7 of the Order associated with this monitoring and reporting program (97-49). Monthly monitoring shall continue until the discharger achieves compliance with the limitations for two consecutive months. After compliance is achieved, the discharger shall resume sampling at the ~~monthly~~ ^{quarterly} frequency.
- 2 The adjusted sodium adsorption ratio is calculated as follows:

Adjusted Sodium Adsorption Ratio (Adj. SAR): $\frac{Na}{(Ca_x + Mg)/2}$, where Na and Mg are in milliequivalent per liter (me/l)

*Ca_x is a modified Ca value calculated using Table 3-2 contained in *Irrigation with Reclaimed Municipal Wastewater, A Guidance Manual*.*
- 3 The discharger is required to test for these constituents when there is a direct use of reclaimed water.
- * Turbidity analysis shall be performed by a continuous recording turbidimeter. From the continuous recording turbidimeter, the discharger shall report on a daily log whether the estimated average value is above or below 2 NTU's each day, if the turbidity value exceeds 5 NTU's more than 5% of the time during a 24-hour period and shall not exceed 10 NTU at any time.
- ** Chlorine concentrations shall be recorded by a continuous recording meter. Calculated CT (chlorine concentration (x) modal contact time) values shall be calculated and recorded continuously. The modal contact time must be at least 90 minutes based on peak daily design flow.
- *** Samples for total coliform bacteria shall be collected at least daily and at a time when wastewater characteristics are most demanding on the treatment facilities and disinfection procedures.

C. SEWAGE SOLIDS

A record of the type, quantity, and manner of disposal and/or reuse of solids removed in the course of sewage treatment shall be maintained at the Santee WRP and be made available to Regional Board staff upon request.

D. RECYCLED WATER USERS SUMMARY REPORT

1. The Recycled Water Agency shall submit a ~~quarterly recycled water~~ users summary report containing the following information:
 - a) Total volume of recycled water supplied to all recycled water users for each month of the reporting period,
 - b) Total number of recycled water use sites,
 - c) Address of the recycled water use sit and
 - d) Basin Plan name and number of hydrologic subarea underlying the recycled water use site.
2. The Recycled Water Agency shall submit an ~~annual recycled water~~ users compliance report containing the following information:
 - a) Recycled water use site summary report
 - 1) Name of the reclaimed water reuse site
 - 2) Owner of the reclaimed water use facility
 - 3) Address of the reuse site
 - 4) Name of the reclaimed water user supervisor
 - 5) Phone number of the on-site water user supervisor
 - 6) Mailing address of the recycled water use supervisor, if different from site address
 - 7) Volume of reclaimed water delivered to the reuse site on a monthly basis
 - b) Recycled water user site inspections

Number of reclaimed water reuse site inspections conducted by discharger/producer staff and identification of sites inspected for the reporting period.
 - c) Recycled water user violations of the Recycled Water Agency's rules and regulations.

The Recycled Water Agency shall identify all recycled water users known to be in violation of the Recycled Water Agency's rules and regulations for recycled water users. The

report shall include a description of the noncompliance and its cause, including the period of noncompliance, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

E. REPORT SCHEDULE


Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

<u>Reporting Frequency</u>	<u>Report Period</u>	<u>Report Due</u>
Monthly	January, February, March, April, May, June, July, August, September, October, November, December	By the 30 th day of the following month
Quarterly	January - March April - June July - September October - December	April 30 th July 30 th , October 30 th January 30 th
Annually	January-December	January 31 st

Monitoring reports shall be submitted to:

ATTN: Ground Water Unit
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite A
San Diego, CA 92124-1331

Ordered by


JOHN H. ROBERTUS
Executive Officer